

WHAT IS CLAIMED IS:

1. A communications relay device functioning as a relay means between an external network and a local network, comprising:

    session control means for controlling the session status of data communication sessions on said control terminal connected to said local network; and

    address conversion means for converting the destination address of data relayed by said communications relay device, wherein:

        said session control means along with rewriting the session status according to a request from said control terminal, also outputs an address rewrite processing request to said address conversion means, and

        said address conversion means rewrites the address set in the session based on the address rewrite processing request from said session control means.

2. A communications relay device according to claim 1, wherein said session control means temporarily stops the relay of data relayed by said control terminal based on a pause request from said control terminal.

3. A communications relay device according to claim 1, wherein said session control means, outputs an address rewrite processing request to set the destination address of relay

100-1096

data corresponding to a session designated by said session identifier contained in the resume request as said request transmit terminal in response to a resume request from said control terminal to said address conversion means.

4. A communications relay device according to claim 1, wherein said session control means, outputs a list showing the control sessions in said communications relay device, to said request transmit terminal, in response to a list request constituting the request from said control terminal.

5. A communications relay device according to claim 1, wherein said session control means outputs a list showing control sessions in said communications relay device, to a destination terminal contained in the call request, in response to a call request constituting the request from said control terminal.

6. A communications relay device according to claim 1, wherein copy processing or cache processing of relay data in said communications relay device is executed in response to a request from said control terminal.

7. A communications relay device according to claim 1, wherein said communications relay device possesses a session control table that matches the session status with session identifier of the data session in said control terminal, and said session control means controls the session status

based on said session control table, and rewrites the session status.

8. A communications relay device according to claim 7, wherein said session control table is composed of a destination address and a source address made to correspond to said session identifier.

9. A communications relay method for implementing relay processing on the external network and local network, said method comprising:

a session managing step for controlling the data communication session status on the control terminal connected to said local network;

an address conversion step to implement conversion processing on the destination address of relay data of said communications relay device, wherein:

in said session managing step, session status is rewritten according to a request from said control terminal and, an address rewrite request is output to said address conversion means, and

in said address conversion step, rewrite of the address set in said session is performed based on an address rewrite request from said session control means.

10. A communications relay method according to claim 9, wherein said session managing step temporarily stops the

relay of data relayed by the control terminal based on a pause request from said control terminal.

11. A communications relay method according to claim 9, wherein said session managing step comprises a step to output a destination address for relay data corresponding to a session designated by the session identifier contained in the resume request to said address conversion means as an address rewrite processing request set in the request transmit terminal in response to a resume request as the request from said control terminal.

12. A communications relay method according to claim 9, wherein said session managing step comprises a step to output a list showing the control sessions in said communications relay device, to the request transmit terminal, in response to a list request as the request from said control terminal.

13. A communications relay method according to claim 9, wherein said session managing step comprises a step to output a list showing control sessions in said communications relay device, to a destination terminal contained in the call request, in response to a call request as the request from said control terminal.

14. A communications relay method according to claim 9, wherein said method further comprises a step to execute copy processing or cache processing of relay data in said

communications relay device in response to a request from said control terminal.

15. A communications terminal device for receiving data by way of said communications relay device, wherein said terminal device outputs to said communications relay device, a resume request as the data transmit request accompanying the designated session identifier.

16. A communications terminal device according claim 15, wherein said terminal device outputs a pause request to said communications relay device to temporarily stop the on-going relay of data in said control terminal.

17. A communications terminal device according claim 15, wherein said terminal device outputs to said communications relay device, a list request as the output processing request for a list showing the session processed in said communications relay device.

18. A communications terminal device according claim 15, wherein said terminal device outputs to said communications relay device, a call request for a destination terminal contained in a request showing the session processed in said communications relay device.

19. A communications terminal device according claim 15, wherein said terminal device outputs to said communications relay device, a copy processing request or a cache processing

request for relay data in said communications relay device.

20. A program storage medium for providing a computer program for executing relay processing for an external network and a local network on a computer system, wherein said computer program comprises:

a session managing step for controlling the data communication session status on said control terminal connected to said local network;

an address conversion step to implement conversion processing on the destination address of relay data of said communications relay device, wherein:

said session managing step rewrites the session status according to a request from said control terminal, and outputs an address rewrite request to said address conversion means, and

said address conversion step rewrites the address set in said session based on an address rewrite request from said session control means.